



Product: [1475A](#)

Inst, 4 Pr #18+22 Str BC, PVC Ins E1, IS/OS, Blk PVC Jkt, 300V PLTC-ER ITC-ER CMG

[Request Sample](#)

Product Description

UL Instrumentation, 4 Pair 18+22AWG (7x26+7x30) Bare Copper, PVC Insulation E1 Color Code, Individual & Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC-ER ITC-ER CMG AWM 2464 SUN RES DIR BUR

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...), low voltage digital control (24v, ...), encoders, control circuits, distributed control system (DCS), programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners |
|------------------------|---|

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|-----------|-------------------|--------|-----------|------------------|
| Pair(s) | 4 | 18 AWG | 7x26 | BC - Bare Copper |
| Comm Wire | 1 | 22 AWG | 7x30 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|-----------|--------------------------|--------------------|---------------------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | Black, White and Numbered |
| Comm Wire | PVC - Polyvinyl Chloride | 0.019 in (0.48 mm) | Orange |

Inner Shield

| Element | Shield Type | Material | Coverage | Drainwire Type | Notes |
|-----------|-------------|-------------------------|----------|------------------|-----------|
| Pair(s) | Tape | Bi-Laminate (Alum+Poly) | 100% | 20 AWG (7x28) TC | each pair |
| Comm Wire | No Shield | | | | |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 18 AWG (7x26) TC |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|-------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.053 in (1.3 mm) | 0.494 in (12.5 mm) | Yes |

| | |
|---------------------------|--------------------|
| Cable Diameter (Nominal): | 0.494 in (12.5 mm) |
|---------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Max. Current |
|-----------|-------------------------------|-------------------------------|
| Pair(s) | 5.86 Ohm/1000ft (19.2 Ohm/km) | 3.5 Amps per conductor @ 25°C |
| Comm Wire | 14.7 Ohm/1000ft (48.2 Ohm/km) | |

Voltage

| UL Voltage Rating |
|---|
| 300 V (PLTC-ER, CMG, UL AWM 2464), 150 V (ITC-ER) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|-----------------|
| 105°C | -30°C to +105°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 4.9 in (120 mm) | 4.9 in (120 mm) |

| | |
|--------------------|------------------|
| Max. Pull Tension: | 267 lbs (121 kg) |
| Bulk Cable Weight: | 118 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial |
| Flammability / Reaction to Fire: | UL1685 (FT4 Loading), FT4, T-29-520, 1202 |
| NEC / UL Compliance: | Article 725, Article 727, Article 800, CMG, PLTC-ER, ITC-ER |
| AWM Compliance: | 2464 |
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.386 Revision Date: 10-13-2021 |
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Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------------|------------|----------|--------------|
| 1475A 0105000 | Black | Reel | 5,000 ft | 612825115397 |
| 1475A 0107500 | Black | Reel | 7,500 ft | 612825115403 |
| 1475A 0061000 | Blue, Light | Reel | 1,000 ft | 612825115373 |

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